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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 02/07/2000

REEL/FRAME: 010606/0096

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR''S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DOW, DANIEL B.

DOC DATE: 01/19/2000

ASSIGNEE:

MICRON TECHNOLOGY, INC. 8000 S. FEDERAL WAY BOISE, IDAHO 83707

SERIAL NUMBER: 09499594

PATENT NUMBER:

FILING DATE: 02/07/2000

ISSUE DATE:

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Form PTO -151 Expires 06/30/99	9A		U3	16-2000	1	Ţ	J.S. Department of Commerce
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Correspondent	Name and Address	Area Code and Telephone	a Number 503 224 2713	
Name	Bradley M. Ganz	••••• •••• •••• ••••••••••••••••••••••	Mullinet Son the Pills	_
Address (line 1)	GanzLaw			
Address (line 2)	P.O. Box 10105			
Address (line 3)	Portland, Oregon 9729	6	. •	
Address (line 4)		•		
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Application Nu	mber(s) or Patent Numbe	er(s)		litional numbers attached
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Fi	iled concurrently herewit	th		
If this document is be signed by the first na	eing filed together with a <u>new</u> Pat amed executing inventor.	ent Application, enter the date t	the patent application was	Month Day Year 1 - 19 - 2000
Patent Coopera	ation Treat (PCT)			
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Bradley M. Ganz		T21.11		
Name of Person S		Signature Signature		February 7, 2000 Date
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· IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Daniel B. Dow

Group Art Unit: Unknown

Serial No.: Unknown

Examiner: Unknown

Filed: Concurrently herewith

Attorney Docket: MIC/99-0003

For:

METHOD OF FABRICATING A SEMICONDUCTOR WORK OBJECT

<u>ASSIGNMENT</u>

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to MICRON TECHNOLOGY, INC. (the "Assignee"), a corporation of Delaware, having a place of business at 8000 S. Federal Way, Boise, Idaho, 83707, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled: METHOD OF FABRICATING A SEMICONDUCTOR WORK OBJECT, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof, and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) Daniel B. Dan Date: 1-19-2000

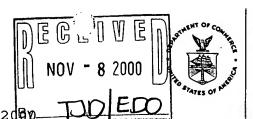
) ss.

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County of _____ADA___

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NOVEMBER 03, 2d by

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLDOIPE **PTAS** THOMAS J. D'AMICO

2101 L STREET NW

WASHINGTON, D.C. 20037-1526

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RECORDATION DATE: 08/31/2000

REEL/FRAME: 011073/0621

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HILLYER, LARRY

DOC DATE: 08/31/2000

ASSIGNOR:

BYRNE, STEVE

DOC DATE: 08/31/2000

ASSIGNOR:

WILLIAMSON, KELLY

DOC DATE: 08/31/2000

ASSIGNOR:

HAHN, DOUG

DOC DATE: 08/31/2000

ASSIGNEE:

MICRON TECHNOLOGY, INC. 8000 S. FEDERAL WAY BOISE, IDAHO 83707-0006

SERIAL NUMBER: 09653561

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PATENT NUMBER:

FILING DATE: 08/31/2000

ISSUE DATE:

011073/0621 PAGE 2

MARCUS KIRK, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS Form PTO-1595



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5.31.00 101463752

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Larry Hillyer, Steve Byrne, Kelly Williamson and Doug Hahn	Name: Micron Technology, Inc.			
_	Internal Address:			
Additional name(s) of conveying Yes party(ies) attached?	Street Address: 8000.S. Federal Way			
3. Nature of Conveyance:				
X Assignment Merger	City: Boise			
Security Agreement Change of Name	State: Idaho Zip: 83707-0006			
Other	Country:			
Execution Date(s): 8/31/00	Additional name(s) & Yes address(es) attached? X No			
4. Application number(s) or patent number(s):	7 (05356)			
If this document is being filed together with a new application the Execution date(s) of the new application is (are):	ation, 8/31/00			
A. Patent Application No.(s):	B. Patent No.(s):			
	Additional numbers attached? Yes X No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
Name: DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP	7. Total fee (37 C.F.R 3.41) \$ \$40.00			
Internal Address: Atty. Dkt.: M4065.0239/P239	Enclosed			
Attn: Thomas J. D'Amico	X Authorized to be charged to deposit account			
Street Address: 2101 L Street NW	x Credit any overpayment or debit any underpayment			
City: State: Zip: Washington DC 20037 - 1526	8. Deposit account number: 4 - 1073			
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9. Statement and signature.	, , , , , , , , , , , , , , , , , , ,			
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
Thomas J. D'Amico	August 31, \$2000			
Signature				
Signature Date Reg. No. 28,371				
Total number of pages including cover sheet, attachments, and document: 6				

ASSIGNMENT AND AGREEMENT

For value received, we, Larry Hillyer, Steve Byrne, Kelly Williamson and Doug Hahn, hereby sell, assign and transfer to Micron Technology, Inc., a corporation of the State of Delaware, having an office at 8000 S. Federal Way, Boise, Idaho 83706-9632, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to an invention entitled METHOD AND MATERIAL FOR REMOVING ETCH RESIDUE FROM HIGH ASPECT RATIO CONTACT SURFACES, described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Micron Technology, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Micron Technology, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Micron Technology, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Micron Technology, Inc. in the United States and in all countries foreign to the United States, or to such nominees as Micron Technology, Inc. may designate.

We agree that, when requested, we shall, without charge to Micron Technology, Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Date: %	31/00	Larry Hill	1 c) Tillege	-
United States of A	America)		
State State	JRU)ss.:		
County	MCY	,		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Signature Page for Second Inventor

Date: 8-31-00	Steve Byrne	me
United States of America State County))ss.:)	
On this Steve Byrne individual described in and who execution of the same.	Hunts	, 2000, before me, to me known to be the ment, and acknowledged y Public

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT AND AGREEMENT

Signature Page for Fourth Inventor

Date: 8/31/00	Doug Hann
United States of America State County) _)ss.: _)
On this day of personally came Doug Hahn individual described in and who execution of the same.	, to me known to be the ated the foregoing instrument, and acknowledged Notary Public